

ABSTRACT

An oscillating hair dryer nozzle assembly attaches to a hand held electric hair dryer. An oscillating nozzle is pivoted back and forth by forced air generated by an electric motorized fan within the hair dryer. A propeller receives the forced air and rotates a propeller shaft which is coupled to a gear reduction assembly. The gear reduction assembly converts the rotational motion of the propeller shaft into repetitive pivotal movement of the oscillating nozzle. The oscillating nozzle automatically redirects the air flow in a plane. In one embodiment, the nozzle assembly is rotatably attached to the output barrel of a hair dryer body so that the oscillating nozzle can be rotated to pivot and redirect air flow in a different plane.

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